

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Application Number	10/705,197
Filing Date	November 12, 2003
First Named Inventor	Elena BABIYCHUK et al.
Art Unit	1638
Examiner Name	Unassigned
Attorney Docket Number	58764.000039

Sheet 1 of 4

U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	DOCUMENT NUMBER Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
CC	1.	US 2001/0011381	08-02-01	Babiychuk et al.	
CC	2.	US 6693185	02-17-2004	Babiychuk et al.	

FOREIGN PATENT DOCUMENTS

*Examiner Initials	Cite No.	FOREIGN PATENT DOCUMENT		Publication Date MM-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
		Country Code:	Number - Kind Code (if known)				YES	NO
CC	3.	WO	97/06267	02-1997	De Block			
CC	4.	WO	99/37789	07-1999	Pramod et al.			

NON-PATENT LITERATURE DOCUMENTS

*Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	TRANSLATION	
			YES	NO
CC	5.	BOSHER et al., "RNA Interference Can Target Pre-mRNA: Consequences for Gene Expression in a Caenorhabditis elegans Operon", Nov. 1999, Genetics Vol. 153, pp. 1245-1256		
	6.	KUEPPER, J. H. et al., Molecular genetic systems to study the role of poly(ADP-ribosyl)ation in the cellular response to DNA damage, Biochimie, Vol. 77, No. 6, 1995, pp. 450-455		
	7.	LAUTIER, D. et al., Molecular and biochemical features of poly (ADP-ribose) metabolism, Molecular and Cellular Biochemistry, Vol. 122, No. 2, 26 May 1993, pp. 171-193		
	8.	JEGGO, P. A., DNA repair: PARP - another guardian angel?, Current Biology, Vol. 8, No. 2, January 1998, pp. R49-R51		
	9.	AMOR, Y. et al., The involvement of poly (ADP-ribose) polymerase in the oxidative stress responses in plants FEBS Letters, Vol. 440, No. 1998, pp. 1-7		

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DATE CONSIDERED

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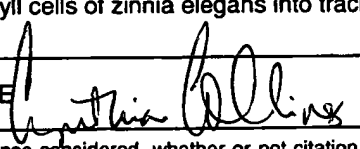
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CC	10.	BABIYCHUK, E. et al., Higher plants possess two structurally different poly (ADP-ribose) polymerases, The Plant Journal, Vol. 15, No. 5, September 1998, pp. 635-645	
	11.	MAHAJAN et al., Purification and cDNA Cloning of Maize Poly (ADP)-Ribose Polymerase, Plant Physiol. (1998) 118: 895-905	
	12.	BABIYCHUCK et al., GenBank database entry AJ222589, Higher Plants Possess Two Poly (ADP-ribose) Polymerases	
	13.	BABIYCHUCK et al., GenBank database entry AJ222588, Higher Plants Possess Two Poly (ADP-ribose) Polymerases	
	14.	CHEN et al., Poly (ADP-ribose) polymerase in plant nuclei, Eur. J. Biochem. 224 (1994), pp. 135-142	
	15.	du MURCIA et al., Poly (ADP-ribose) polymerase: a molecular nick-sensor, Trends Biochem. Sci., Elsevier Science Ltd., April 1994, pp. 172-176	
	16.	DING et al., Deletion of Ploy (ADP-ribose) Polymerase by Antisense RNA Expression Results in a Delay in DNA Strand Break Rejoining, Vol. 267, No. 18, The Journal of Biological Chemistry, June 25, 1992, pp. 12804-12812	
	17.	ELLIS et al., Mechanisms and Functions of Cell Death, Annual Reviews Cell Biology, July 1991, pp. 663-698	
	18.	HELLER et al., Inactivation of the Poly (ADP-ribose) Polymerase Gene Affects Oxygen Radical and Nitric Oxide Toxicity in Islet Cells, Vol. 270, No. 19, The Journal of Biological Chemistry, May 12, 1995, pp. 11176-11180	
	19.	IKEJIMA et al., The Zinc Fingers of Human Poly (ADP-ribose) Polymerase Are Differentially Required for the Recognition of DNA Breaks and Nicks and the Consequent Enzyme Activation, Vol. 265, No. 35, The Journal of Biological Chemistry, December 15, 1990, pp. 21907-21913	

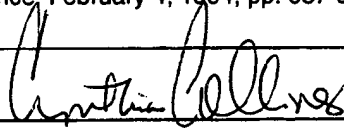
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NON-PATENT LITERATURE DOCUMENTS					
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cc	20.	KÜPPER et al., Inhibition of Poly(ADP-ribose)ation by overexpressing the Polymerase DNA-binding Domain in Mammalian Cells, Vol. 268, No. 31, The Journal of Biological Chemistry, November 5, 1990, pp. 18721-18724			
	21.	LAZEBNIK et al., Cleavage of poly (ADP-ribose) polymerase by a proteinase with properties like ICE, Vol. 371, Nature, September 1994, pp. 346-347			
	22.	LEPINIEC et al., Characterization of an <i>Arabidopsis thaliana</i> cDNA homologue to animal poly (ADP-ribose) polymerase, Federation of European Biochemical Societies, 1995, pp. 103-108			
	23.	LINDAHL et al., Post-translational modification of poly (ADP-ribose) polymerase induced by DNA strand breaks, Trends Biochem. Sci. Elsevier Science Ltd., April 1995, pp. 405-411			
	24.	MÉNISSIER de MURCIA et al., Requirement of Poly (ADP-ribose) polymerase in recovery from DNA damage in mice and in cells, Vol. 94, Proc. Natl. Acad. Sci., USA, Cell Biology, July 1997, pp. 7303-7307			
	25.	MOLINETE et al., Overproduction of the poly (ADP-ribose) polymerase DNA-binding domain blocks alkylation-induced DNA repair synthesis in mammalian cells, Vol. 12, The EMBO Journal, 1993, pp. 2109-2117			
	26.	O'FARRELL, ADP-ribosylation reactions in plants, Biochemie 77, 1995, pp. 486-491			
	27.	PENNELL et al., Programmed Cell Death in Plants, Vol. 9, The Plant Cell, July 1997, pp. 1157-1168			
	28.	PUCHTA et al., Induction of intrachromosomal homologous recombination in whole plants, The Plants Journal, 1995, pp. 203-210			
	29.	SCHREIBER et al., The human poly (ADP-ribose) polymerase nuclear localization signal is a bipartite element functionally separate from DNA binding and catalytic activity, Vol. 11, No. 9, The EMBO Journal, 1992, pp. 3263-3269			
↓	30.	SHOJI et al., Involvement of poly (ADP-ribose) syntheses in transdifferentiation of isolated mesophyll cells of zinnia elegans into tracheary elements, Plant Cell Physiol., 1997, pp. 36-43			
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CC	31.	SMULSON et al., Requirement for the expression of poly (ADP-ribose) polymerase during the early stages of differentiation of 3T3-L1 preadipocytes, as studied by antisense RNA induction, Vol. 270, No. 1, The Journal of Biological Chemistry, January 6, 1995, pp. 509-520			
	32.	WANG et al., Apoptosis: a functional paradigm for programmed plant cell death induced by a host-selective phytotoxin and invoked during development, Vol. 8, The Plant Cell, March 1996, pp. 375-391			
	33.	WANG et al., Mice lacking ADPRT and poly (ADP-ribose)ation develop normally but are susceptible to skin disease, Genes & Development, 1995, pp. 509-520			
	34.	WANG et al., PARP is important for genomic stability but dispensable in apoptosis, Genes & Development, 1997, pp. 2347-2358			
	35.	WILLMITZER et al., Nitric oxide activation of poly (ADP-ribose) synthetase in neurotoxicity, Vol. 263, Science, February 4, 1994, pp. 687-689			
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